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| APPLICATION NO.             | FILING DATE | FIRST NAMED INVENTOR   | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------------------|-------------|------------------------|---------------------|------------------|
| 10/749,819                  | 12/31/2003  | William P. Alberth JR. | CS23362RL           | 9363             |
| 20280                       | 7590        | 10/23/2007             | EXAMINER            |                  |
| MOTOROLA INC                |             |                        | LEVITAN, DMITRY     |                  |
| 600 NORTH US HIGHWAY 45     |             |                        | ART UNIT            | PAPER NUMBER     |
| W4 - 39Q                    |             |                        | 2616                |                  |
| LIBERTYVILLE, IL 60048-5343 |             |                        |                     |                  |
| NOTIFICATION DATE           |             | DELIVERY MODE          |                     |                  |
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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|                              |                        |                     |  |
|------------------------------|------------------------|---------------------|--|
| <b>Office Action Summary</b> | <b>Application No.</b> | <b>Applicant(s)</b> |  |
|                              | 10/749,819             | ALBERTH ET AL.      |  |
|                              | <b>Examiner</b>        | <b>Art Unit</b>     |  |
|                              | Dmitry Levitan         | 2616                |  |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on 04 October 2007.
- 2a) This action is FINAL.                    2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-6,8-14 and 16-21 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 1-6,8-4 and 16-21 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
 a) All    b) Some \* c) None of:  
 1. Certified copies of the priority documents have been received.  
 2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                     | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date: _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date: _____   | 6) <input type="checkbox"/> Other: _____                          |

Amendment, filed 10/04/07, has been entered. Claims 1-6, 8-14 and 16-21 remain pending.

***Claim Rejections - 35 USC § 112***

1. Claims 1-6, 8-10, 12-14 and 16-21 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

Claims 1 and 12 limitation combine two separate embodiments of the invention, which were not disclosed as a combination in the application as filed.

Application as filed disclosed two separate embodiments 300 and 400 on pages 9 and 10, as shown on Fig. 5 and 6. These embodiments have never been not disclosed as a combination, therefore claims 1 and 12 limitations directed to registering at first and second area are not combinable with the step of the claims directed to “upon entering a new communication are, determining if the new area associated with a different paging group...”.

Claims 2-6, 8-10, 13, 14 and 16-21 are rejected as the claims depending on the claims rejected above.

2. Claims 1-6, 8-10, 12-14 and 16-21 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 1 and 12 limitations, directed to the registration of a wireless unit, are not clear because the limitations of claim 1, directed to registering in a first and a second communication

contradict to the registration upon entering a new communication area, because the decision on the registration has been already made and further limitations on the registration are contradictory. In addition, it is not understood how the second area differs from the new area and what is new area in the context of the claim.

Claims 2-6 and 8-10 limitations, directed to communication area are unclear, because it is not understood if the communication area is a paging group area, as shown on Fig. 2 or geographical area, as shown on Fig. 1.

***Claim Rejections - 35 USC § 103***

1. Claim 11 is rejected under 35 U.S.C. 103(a) as being unpatentable over Selby(US 4,876,738) in view of Chen (US 6,922,561) in further view of Lawrence (US 6,628,935).

Selby in view of Chen teaches a method for maintaining registration information for a plurality of different communications areas associated with different paging groups. Selby teaches a method and apparatus for maintaining registration information for a plurality of different communications areas within a network (mobile stations M shown on Fig. 1 and 2, registered with base stations BS in corresponding service areas 6:13-25) comprising:

Registering in a first communication area, where the wireless communication unit is located (station M1 is registered with service area SA1 on Fig. 1 and 6:22-25),

Moving into a second communication area, which is different than the first communication area (M1 moving to another service area SA2 and registering with it 6:36-50),

Registering in the second communication are, while retaining at least the most recent prior registration associated with the previous communication area (keeping the registration with

a previous service area 6:50-7:11), wherein the default operating mode include retaining at least the two most recent area registrations (M1 created for itself new area comprising SA1 and SA2 7:11-20).

Selby also teaches deleting the service registration record in the mobile station when the mobile station is out of communication range of any of the base stations 7:56-8:17.

Selby does not teach associating each communication area with one of plurality of paging groups, associating and registering with a different paging group and paging group area detect module and discarding any previous stored registrations on powering up and powering down..

Chen teaches associating each communication area with one of plurality of paging groups (configuring a paging area based on a certain number of cells around the cell in which the Mobile Unit is registered, as step 1306 on Fig. 13 and 10:57-11:3), associating and registering with a different paging group (registration for a paging group as steps 1302-1306 on Fig. 13, wherein the registration process comprises storing a limited number of previous registrations 9:40-10:56) and paging group area detect module (controller 230 on Fig. 2 performing registration of Mobile Unit 206 for a paging group 3:53-65 and 5:5-9).

Lawrence teaches deleting the stored messages in a mobile device upon the power up/down 2:12-34 to save memory space in the mobile device.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to add associating and registering with paging groups and paging group area detector of Chen to the system of Selby to improve the system operation with a group directed calls (Chen 1:32-55), wherein communication areas are define by paging groups and add discarding any previous stored registrations on powering up and powering down of Lawrence to the system

of Selby to make the system more flexible by manual implementation of the discarding any previous stored registrations of Selby to give more control of the mobile telephone to a user, as it is common to reinitialize/refresh a device with a memory on powering up and powering down..

***Response to Arguments***

1. Applicant's arguments filed 10/04/07 have been fully considered but they are not persuasive.

On page 6 of the Response, Applicant argues that the interaction between two embodiments is disclosed on page 5, line 26 through page 6, line 26 and Fig. 2.

Examiner respectfully disagrees.

Two embodiments of the application are disclosed separately, one as registration method for different geographical areas, as shown on Fig. 1 and 5 and a second registration method for different paging groups, as shown on Fig. 2 and 6.

The cited portion of the disclosure is fully directed to one and only one embodiment of registration with a paging group (Fig. 2 and Fig. 6). The packet zone identified by a paging group, shown on Fig. 2, is not a geographical area of the other embodiment, shown on Fig. 1. The disclosure comprises no information on using of both methods in a single device or as a single method, as claimed in limitations of claims 1 and 12.

On page 6 of the Response, Applicant argues that the interaction between two embodiments are supported by original dependent claims 7 and 15, which have been incorporated into claims 1 and 12.

Examiner respectfully disagrees.

This argument is incorrect for two reasons: a) dependent claims 7 and 15 are not supported by the disclosure as current independent claims 1 and 12, b) claims 7 and 15 in their original form provided no support for other dependent claims, as their limitations were treated separately.

The combination of original claims 1 and 7 limitations was never related to the limitations of dependent claims 2-6 and 8-10.

On page 7 of the Response, Applicant argues that the claims 1 and 12 limitations are clear.

Examiner respectfully disagrees.

Applicant failed to provide a clear explanation on two registrations of claims 1 and 12.

As was stated in the previous Office action, Claims 1 and 12 comprise two registration processes, one based on the communication area and the other is based on a paging group, two embodiments, which were mechanically combined without any clear outcome.

Applicant failed to provide any explanations regarding rejection under 35 U.S.C. 112, second paragraph claims 2-6 and 8-10.

On page 8 of the Response, Applicant argues that Lawrence (US 6,628,935) does not teach deleting the stored messages in a mobile device upon the power up/down to save memory space in the mobile device.

Examiner respectfully disagrees.

Lawrence clearly teaches deleting the stored messages in a mobile device upon the power up/down 2:12-34 to save memory space in the mobile device.

Lawrence teaching of an indicator to alert the user on the low memory status does not contradict the teaching of deleting the stored messages in a mobile device upon the power up/down to save memory space in the mobile device.

Applicant's arguments, directed to particular type of messages (SMS), being deleted, are irrelevant, because it is the method of Lawrence, not the type of messages, what has been used in the claims rejection (see claim 11 rejection under 35 U.S.C. 103(a) above).

### *Conclusion*

2. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dmitry Levitan whose telephone number is (571) 272-3093. The examiner can normally be reached on 8:30 to 4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lynn Feild can be reached on (571) 272-2092. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Dmitry Levitan  
Primary Examiner  
Art Unit 2616

**DMITRY LEVITAN  
PRIMARY EXAMINER**